

MARKETS & PROJECTS > AFRICA > SOUTH AFRICA

JEFFREYS BAY WIND FARM

DEVELOPED BY:

Mainstream Renewable Power

CONSTRUCTION MANAGED BY:

Mainstream Renewable Power

TECHNOLOGY SUPPLIER:

Siemens Wind Power

PROJECT OWNERS:

Globeleq and consortium

COMMERCIAL OPERATION DATE:




Q2, 2014


The Jeffreys Bay Wind Farm was Mainstream's flagship Wind Farm in South Africa. In 2014, it was the largest, and one of the first wind farms to reach commercial operation in Q2, 2014 as part of Bid Window 1 of the South African

government's Renewable Energy Power Procurement Programme.

The wind farm spans 3,700 hectares on which 60 wind turbines (60 x SWT2.3 MW) have been erected and has a 20-year Power Purchase Agreement with Eskom.

The Wind Farm was developed by Mainstream and bid into BW1 with Globeleq and a locally-based South African consortium.

 Onshore wind  Eastern Cape  138 MW Gross

 Sold

Powering 100,000 South African homes each year

The Jeffreys Bay Wind Farm reached commercial operations in mid-2014, having started construction in December 2012.

The Wind Farm supplies 460,000 MWh each year to the grid, enough clean, renewable electrical energy to meet the needs of 100,000 average South African homes. The project effectively reduces annual CO₂ emissions by 420,000 tonnes and lifetime CO₂ emissions by 8,400,000 tonnes.



460,000 MWh power generated each year

100,000 local homes powered each year

420,000 tce avoided each year

Videos

All videos 





Mainstream is powering South Africa on her
just energy transition